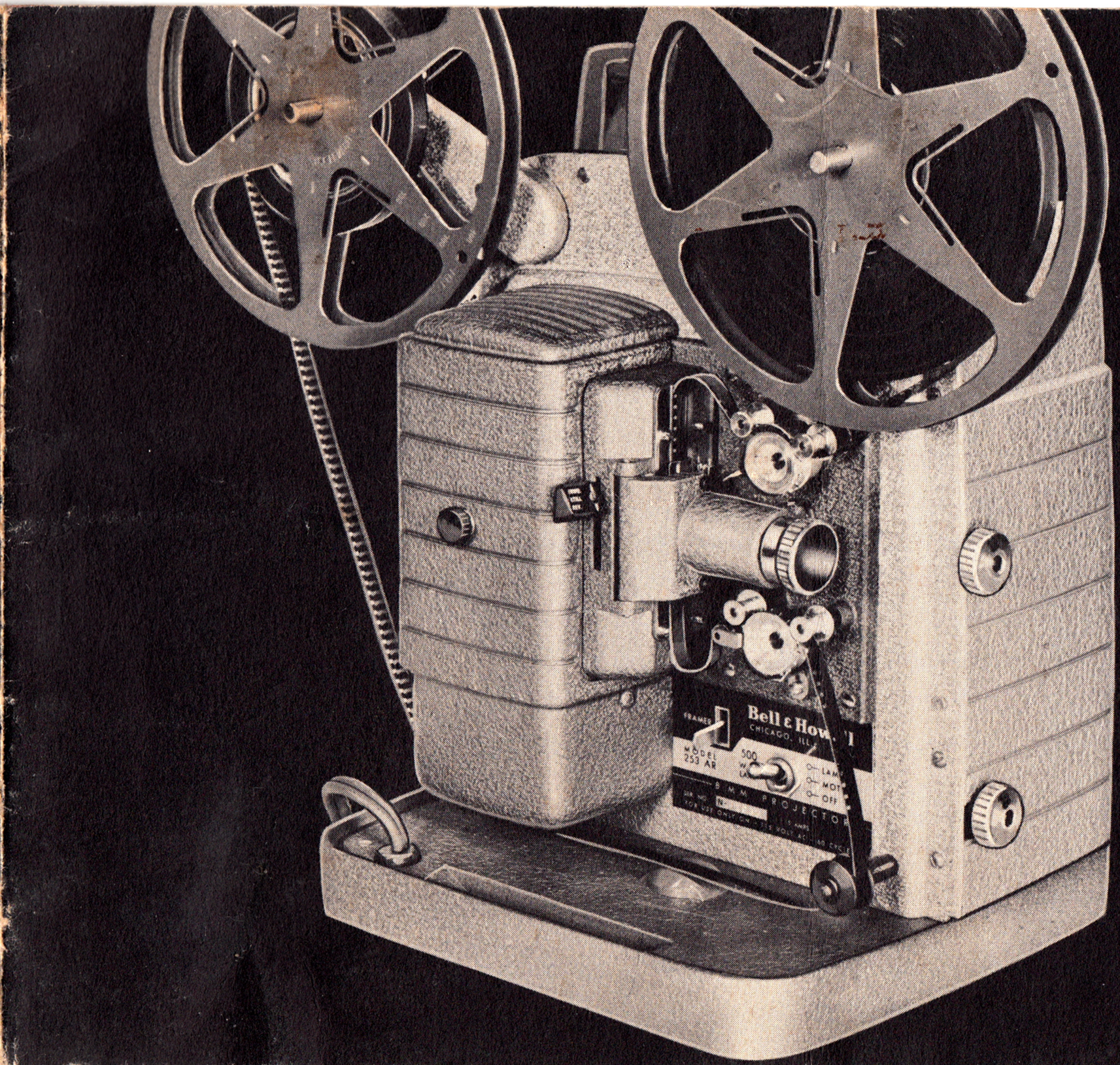


How to use your

Bell & Howell MONTEREY 8mm PROJECTOR

Bell & Howell

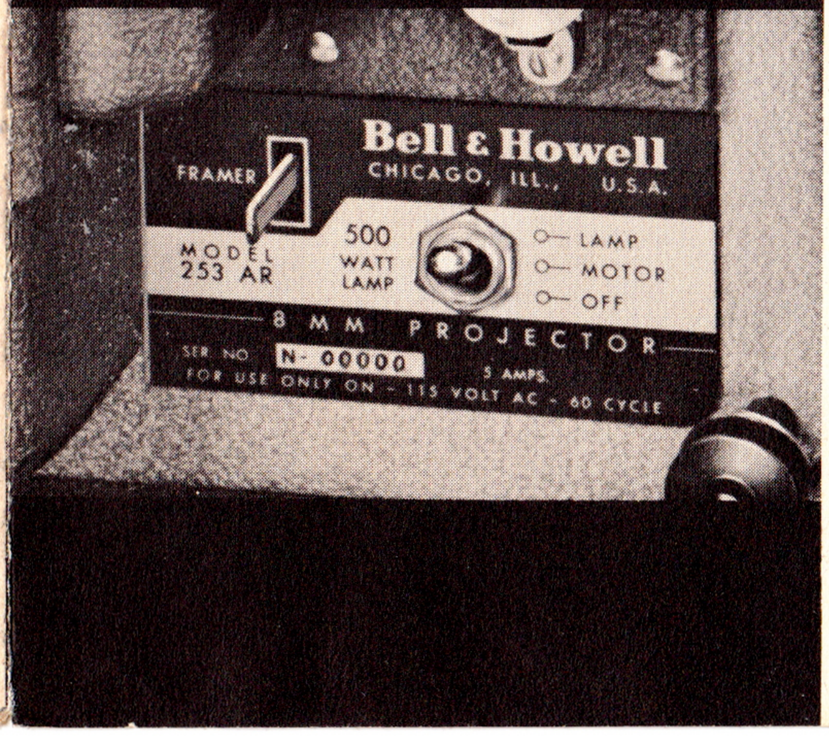
finer products through imagination

REGISTER YOUR PROJECTOR **NOW!**

Fill out the postcard attached to the cover of this booklet. Be sure to include the serial number of your projector (it's located on the Bell & Howell name-plate). Then mail the card TODAY!

By registering your projector you are assured of:

- full benefits of the Bell & Howell Guarantee
- free advice by mail from the Bell & Howell Personal Service Department.



LET'S LOOK AT YOUR MONTEREY PROJECTOR...

Showing movies with your Monterey projector is just plain fun. It's so quick to set up, so simple to operate. Take a few seconds to familiarize yourself with its outstanding features:

- GEAR DRIVEN REEL ARMS swing out for fast, convenient setup.
- SHARP F/1.6 LENS projects your movies in thrilling detail.
- 400 FOOT FILM CAPACITY for full half-hour shows.
- SWING-OUT LENS MOUNT makes threading easy.
- STRAIGHT LINE OPTICAL SYSTEM provides brilliant illumination.
- BUILT IN CARRYING CASE carries and tucks away so neatly.
- PERMANENTLY LUBRICATED—never needs oiling.

PLUS THESE FEATURES ON MONTEREY DELUXE

- REVERSES to repeat favorite scenes.
- CLUTCH for still picture operation.

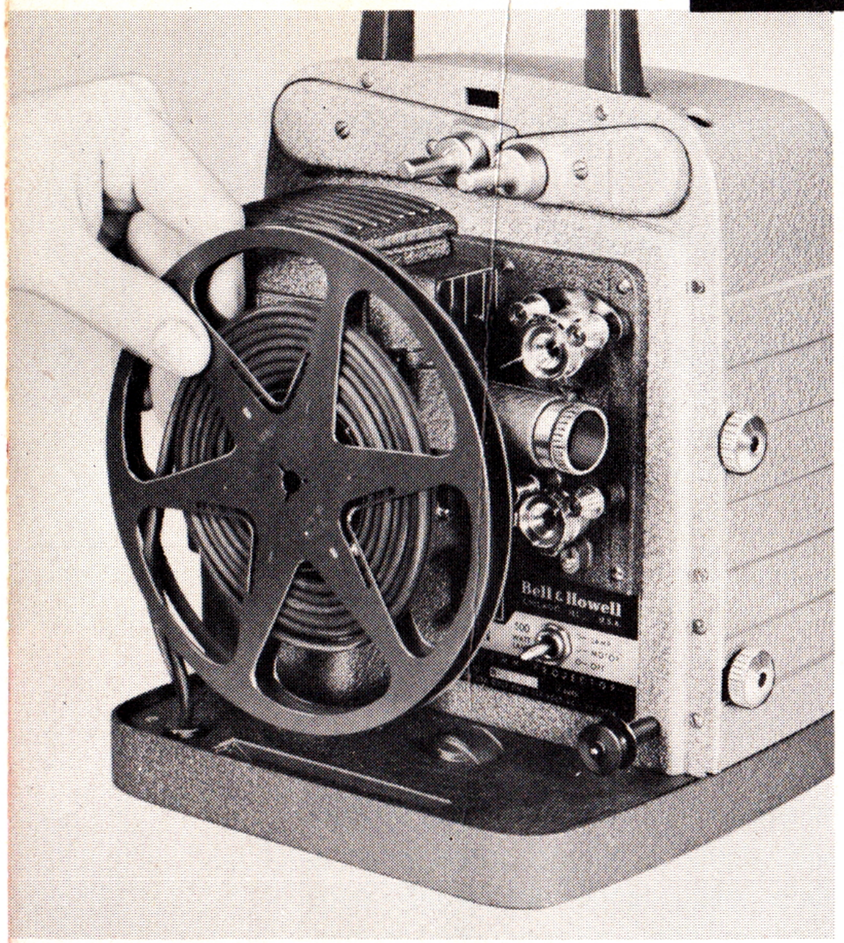
PLUS THIS FEATURE WITH FILMOVARA LENS

- FILMOVARA LENS fills your screen in any space, or any place, with one zoom adjustment.

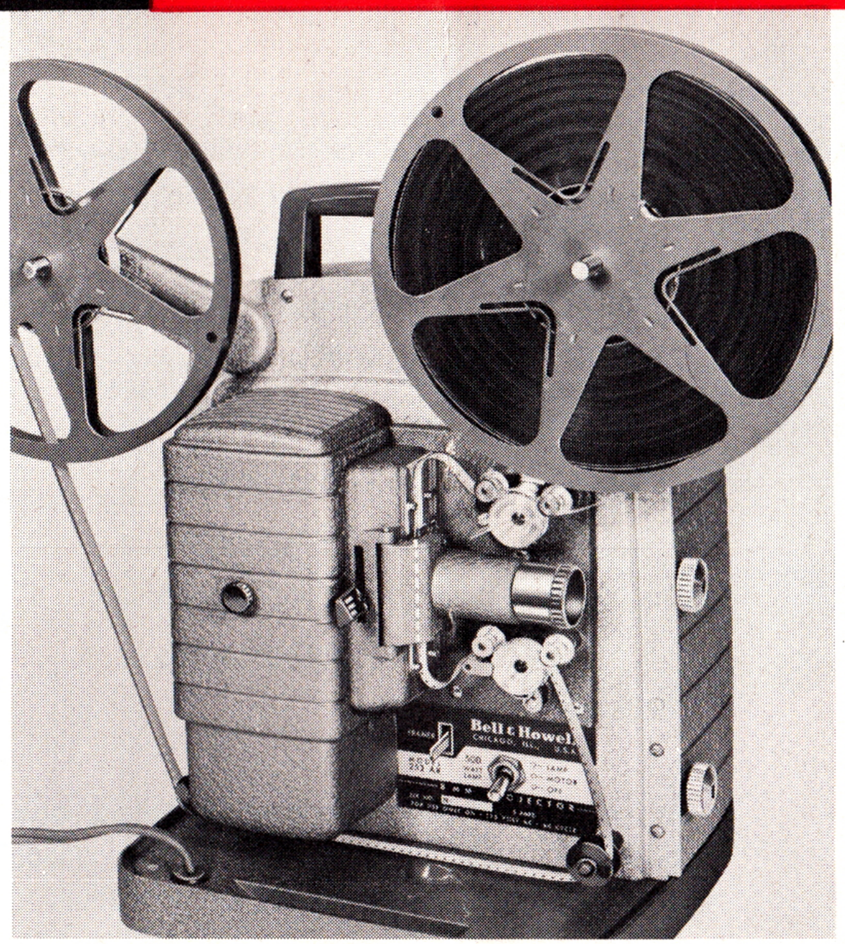
NOTE:

All models of the Monterey projector operate similarly. The main difference between them is that the Deluxe model will show a single picture at a time and run your films in reverse. Models also come equipped with either the standard 1-inch projection lens or the all-new Filmovara.

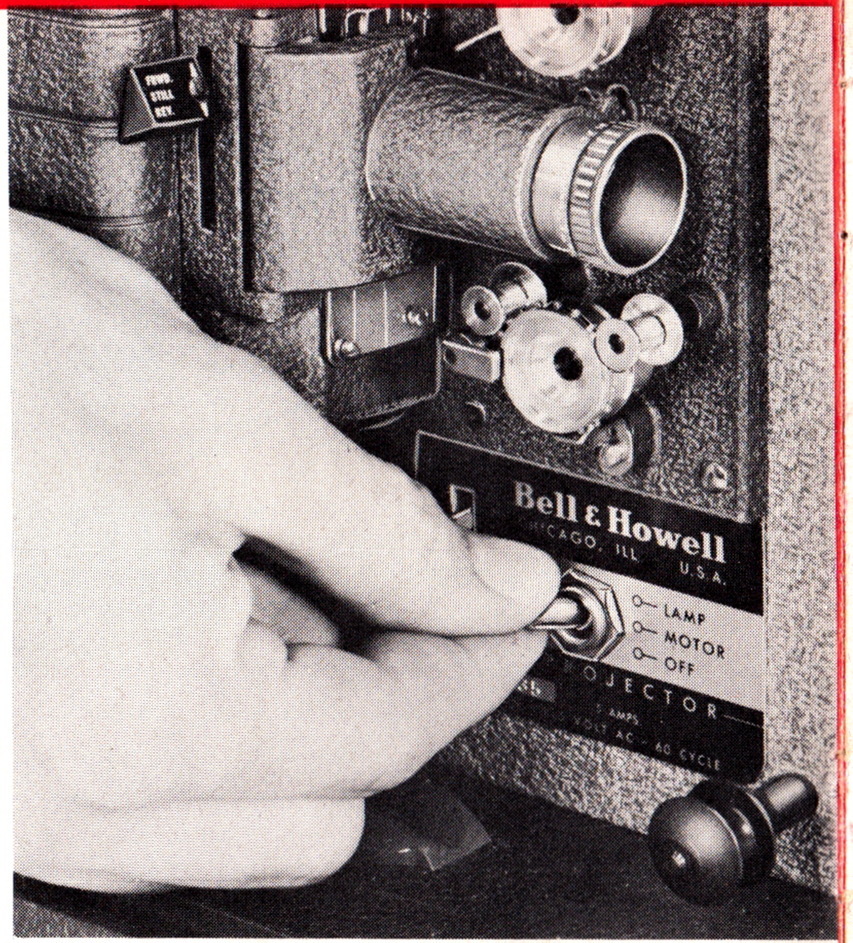
THESE **3** SIMPLE STEPS ARE ALL IT TAKES TO GET YOUR SHOW ON THE SCREEN WITH YOUR MONTEREY:



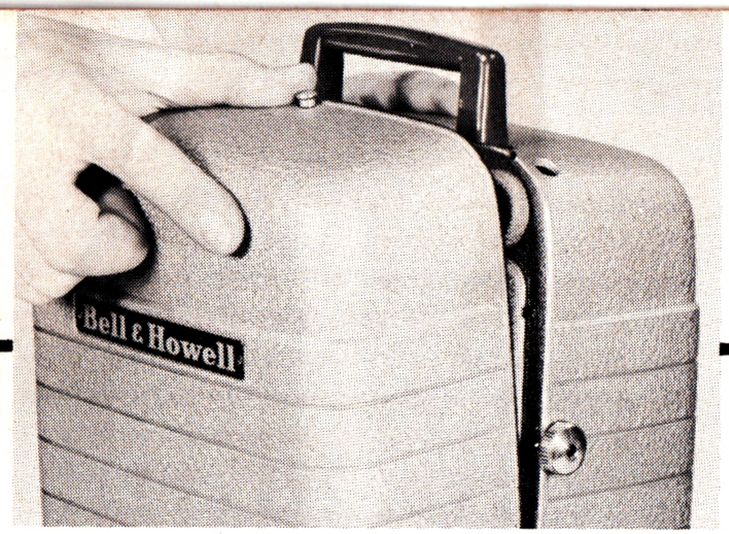
1 Here's the first simple step. Set up your projector and screen. Unwind and plug in the line cord.

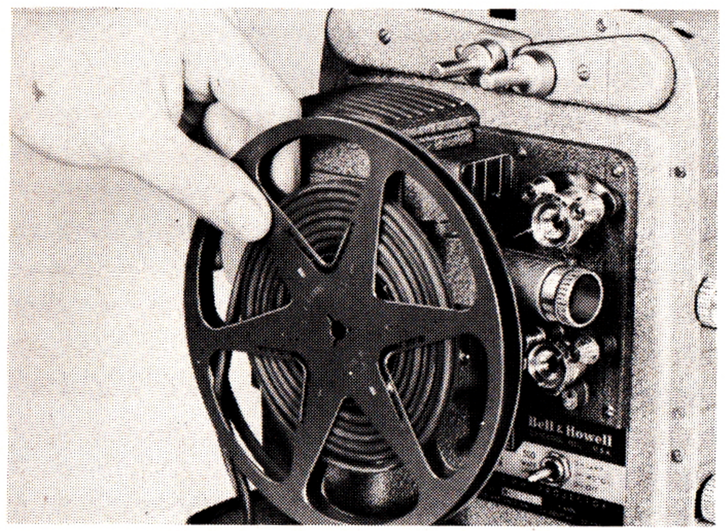


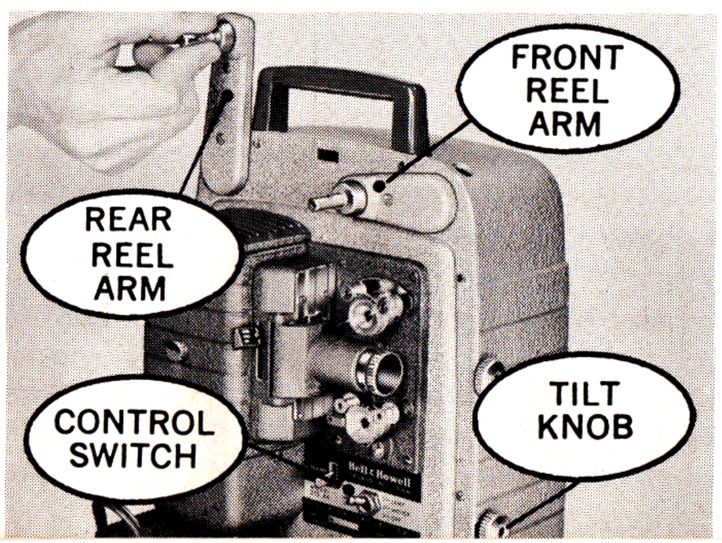
2 Swing out the gear driven reel arms and thread your film as shown in threading illustration.



3 Flip the control switch to the "Lamp" position, focus the lens. — Sit back and enjoy your show.







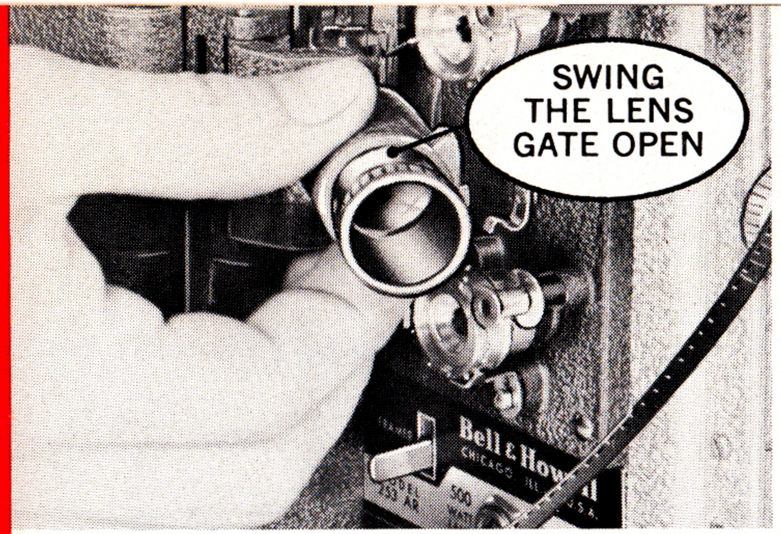
SETTING UP FOR A SHOW

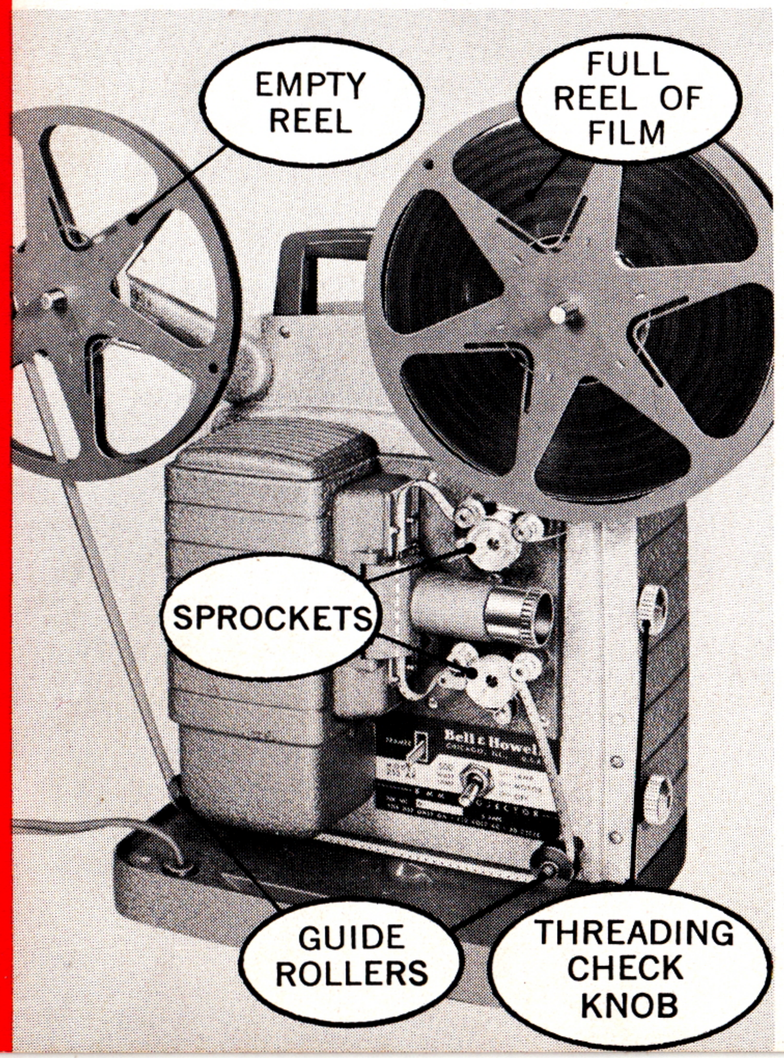
Setting up your Monterey is fast and easy. Just place your projector on a firm stand or table. To open, simply press down on the small button on top of the case and tip the cover off.

Lift out the reel and unwind the line cord. Plug the cord into an outlet supplying 105-130 volt 60 cycle *alternating current only*.

Swing up the front and rear reel arms until they snap into the open position. (After you've completed a show, fold the arms down by applying pressure.) Snap the empty reel on the rear reel arm, and the full reel on the front reel arm.

Set up your screen and flip the control switch to the "Lamp" position. If the frame of light is too high or too low, tilt the front of the projector with your left hand, at the same time loosening the Tilt Knob until the leg drops down. Tighten the knob when the frame of light is centered on your screen and turn projector off.





THREADING

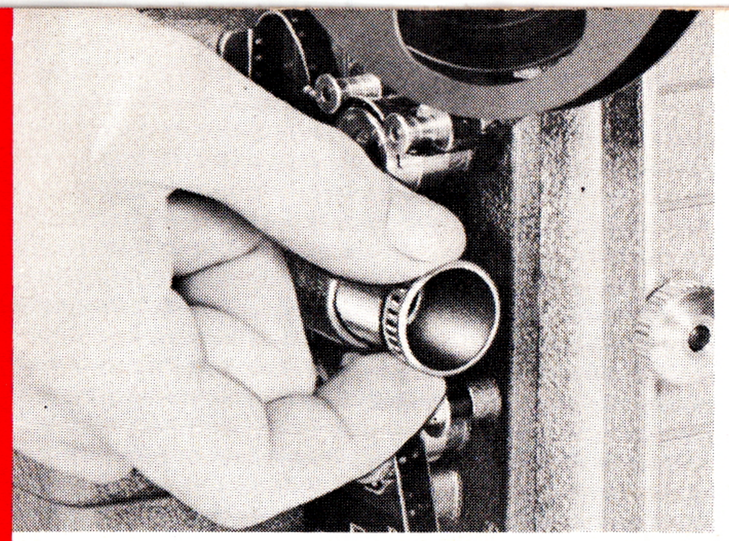
Threading will take just a few seconds when you've done it once or twice, as the film follows a logical path through the projector.

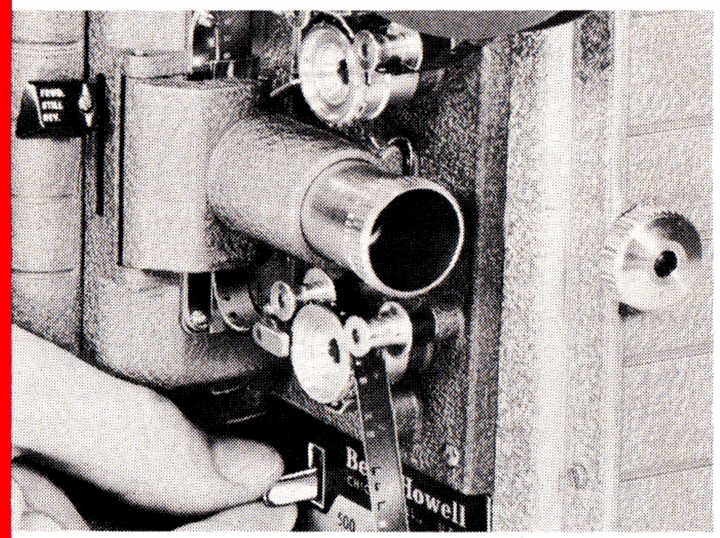
The first thing you do is swing the lens gate out away from the threading area and unwind about three feet of film from the front reel. Your film should unwind from the front of the reel with the dull (emulsion side) toward the screen.

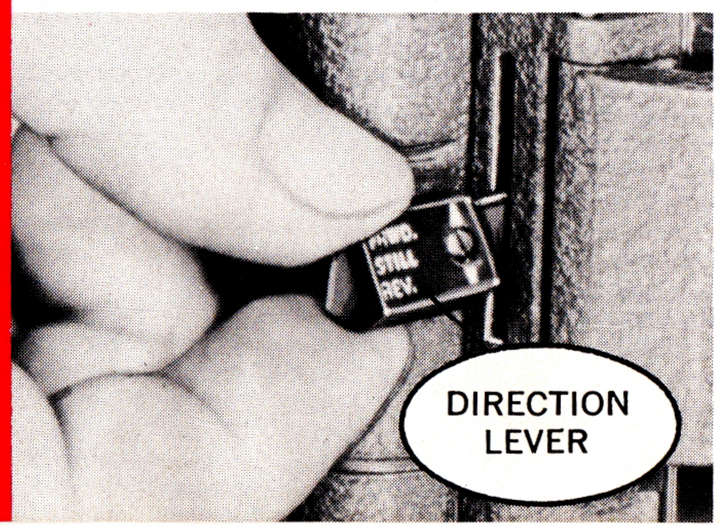
Thread your film through the projector as shown in the illustration. Be sure film perforations are engaged with both sprockets and loops are evenly formed. Swing the lens gate back to the closed position.

Lead the film end under the two guide rollers, up and around the rear reel. (With Bell & Howell reels all you have to do is press the film against the inside of the reel, turn the reel slightly to take up any slack—and it stays! B&H "self threading" reels do all the work for you.)

Check for correct threading by turning the Threading Knob clockwise. Film should move smoothly; loops should remain relatively even.







PUTTING ON A SHOW

With your projector set up and adjusted, turn off the room lights. Flip the control switch to the "Lamp" position. (On the Deluxe model make sure the Direction Lever is in the forward position.)

FOCUSING

If your picture is out of focus, rotate the lens slowly until your picture is sharp. To focus the Filmovara projection lens see page 6.

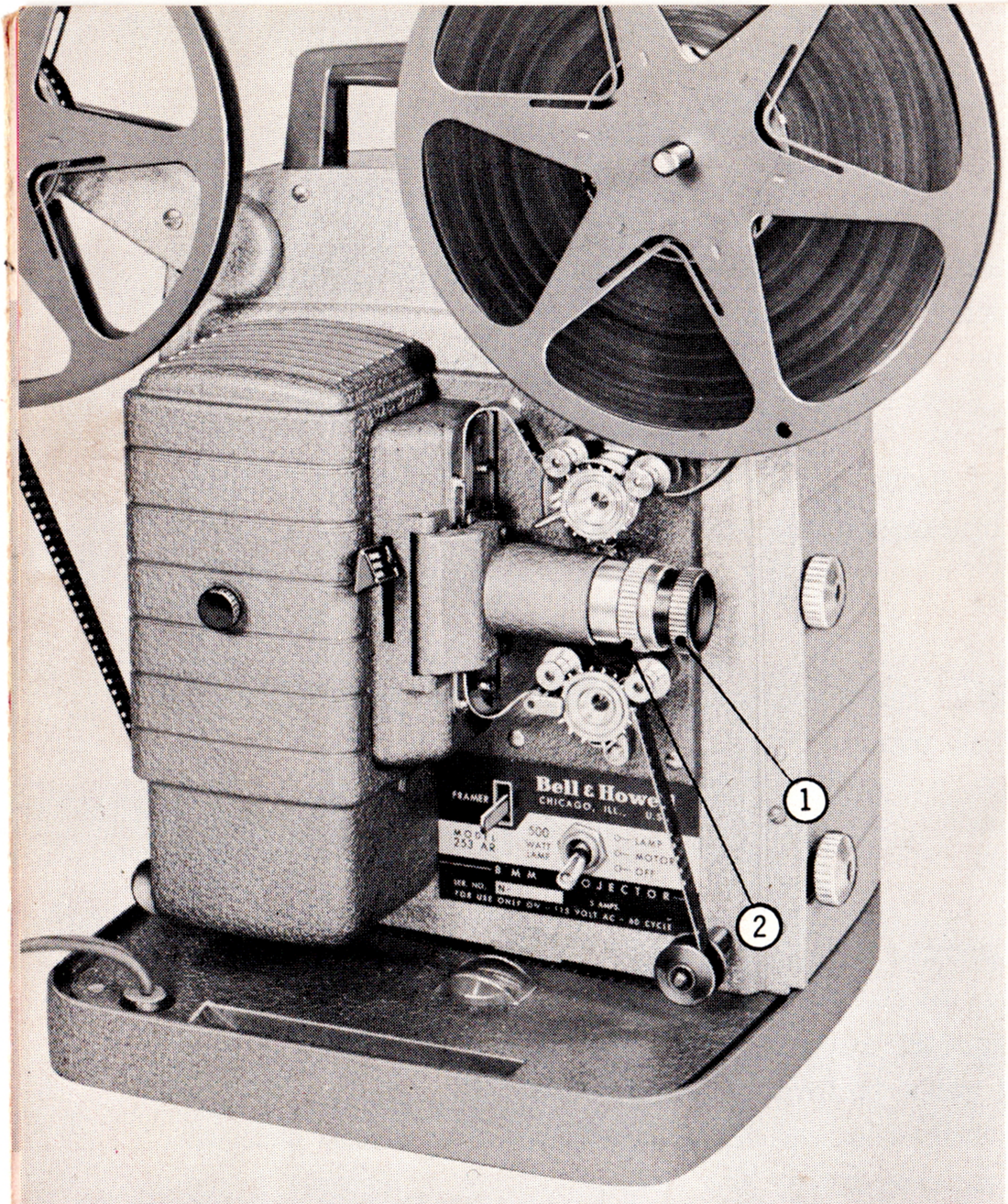
FRAMING

If your picture is cut off at the top or bottom, move the Framer Lever up or down until the full picture appears on your screen.

STILL-PICTURE & REVERSE PROJECTION
(ON DELUXE MODELS ONLY)

All you have to do to project a still picture with your Monterey Deluxe, is push the direction Lever to the STILL position. When projecting still pictures a safety shutter automatically drops into place to protect your film. If you don't get a picture on your screen, or if the picture is partially blocked, turn the Threading Knob slowly.

When you want to reverse action for special effects or review a scene, just flip the Direction Lever to the REVERSE position.



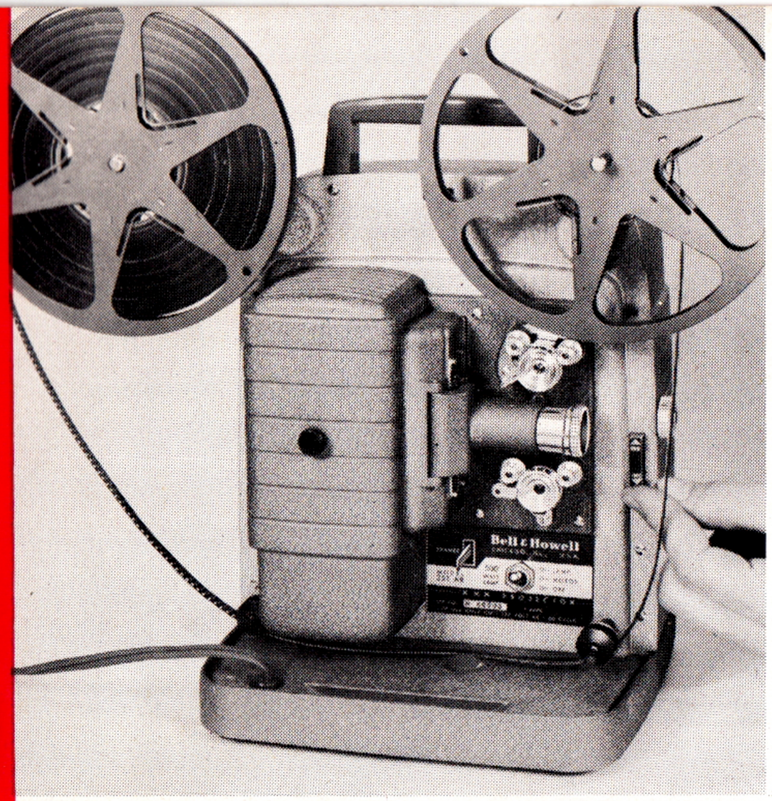
USING THE FILMOVARA PROJECTION LENS . . .

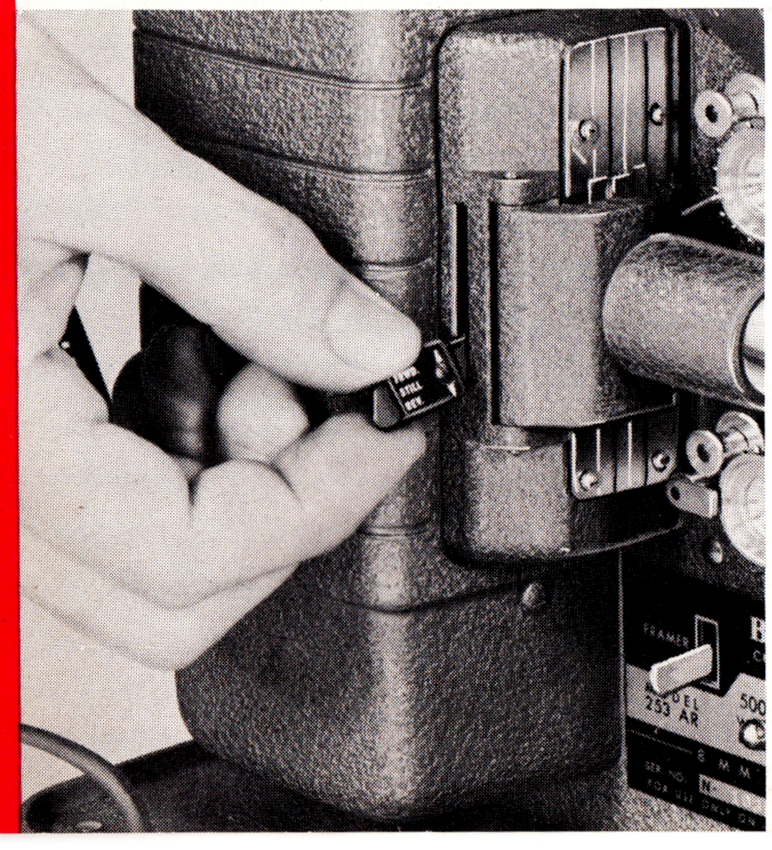
In any space, or any place Bell & Howell's Filmovara lens makes projecting your pictures easier than ever before. No more rearranging room furniture so that your projector can be moved back far enough to fill your screen. With the Filmovara you can place your projector as close as 11-feet, 5-inches, or as far away as 15-feet, 3-inches and still fill a screen 40-inches wide.

HERE'S ALL THERE IS TO IT—2 SIMPLE STEPS:

1. Revolve the front (Brown) knurled collar of the lens, until your picture fills the width of your screen. Revolving the lens inward increases the size of your picture. Revolving it outward decreases the size of your picture.

2. If your picture is out of focus, revolve the rear (Gold) knurled collar until the picture is sharp.





REWINDING

Flip the control switch "OFF" as the last of your film passes through the projector. Lead the film from the rear take-up reel down under the two guide rollers at the base of the projector and up onto the front reel. Turn the reel clockwise to take up any slack.

Push the Rewind Bar up and flip the control switch to the Motor position. After your film is completely rewound, push the Rewind Bar down and you're ready for your next showing.

On the Deluxe Model, flip the control switch "OFF" as the last of your film passes through the projector. Lead the film from the rear take-up reel down under the two guide rollers at the base of the projector and up onto the front reel. Turn the reel counterclockwise to take up any slack. Place the Direction Lever in the REVERSE position and flip the control switch to motor. After your film is completely rewound place the Direction Lever in the STILL position for your next show.

WHERE DO I SET MY SCREEN?

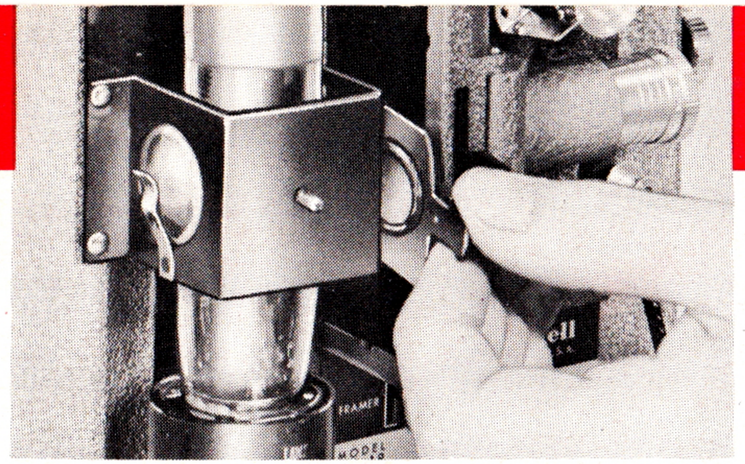
The size of your projected picture depends on the distance between your projector and screen and the focal length of the lens you use.

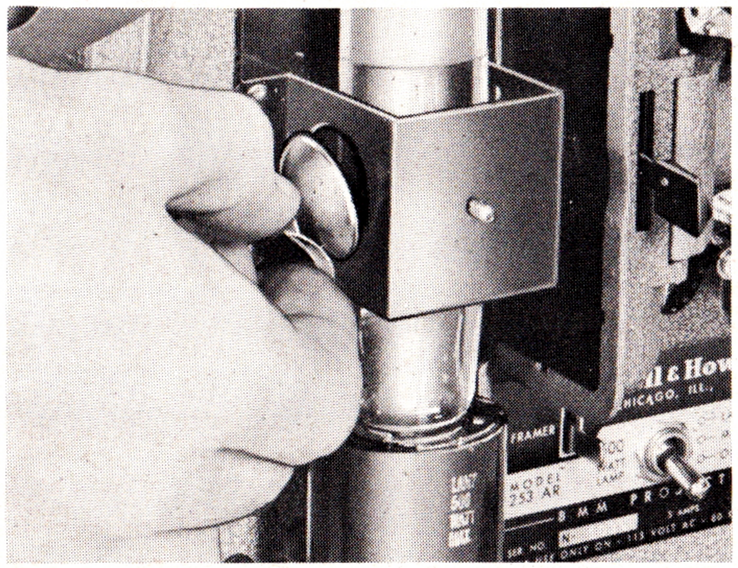
To determine the location of your screen use the chart below as a quick reference. By projecting through a Bell & Howell lens of proper focal length you can obtain practically any size picture from the most convenient place in your room. Ask your dealer about B&H projection lenses including Filmovara, the lens that adjusts picture size for you.

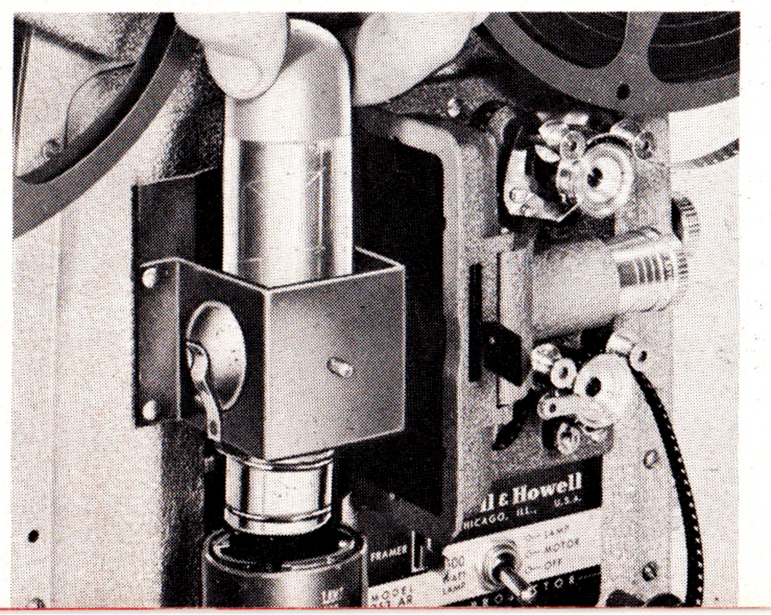
8mm PROJECTED PICTURE SIZES

Lens Focal Length	Distance in Feet From Screen to Film									
	8′	10′	12′	15′	20′	25′	30′	35′	40′	45′
	Width and Height of Picture									
¾″	1′11″ 1′5″	2′5″ 1′10″	2′11″ 2′2″	3′8″ 2′9″	4′11″ 3′8″	6′2″ 4′7″	7′5″ 5′7″	8′9″ 6′6″	10′0″ 7′5″	11′3″ 8′4″
1″		1′10″ 1′4″	2′2″ 1′8″	2′9″ 2′1″	3′8″ 2′9″	4′8″ 3′5″	5′7″ 4′2″	6′6″ 4′10″	7′5″ 5′7″	8′5″ 6′3″
1½″						3′1″ 2′3″	3′8″ 2′9″	4′4″ 3′3″	4′11″ 3′8″	5′7″ 4′2″

Upper Dimension is Width of Picture — Lower Dimension is Height of Picture.







MAINTENANCE

Your projector is lubricated at the factory and requires no oiling by you. However, we recommend it be cleaned and adjusted periodically by the Factory, Branch Office, or one of our Approved Service Stations.

CLEANING THE OPTICS

The Lens, Condenser, and Reflector are easily removed for cleaning. Wipe each with a clean, lint-free cloth. If there are fingerprints, oil or other marks on the optics, wipe off with a drop of Bell & Howell Opti-Kleen. Never use sharp tools on any part of your projector.

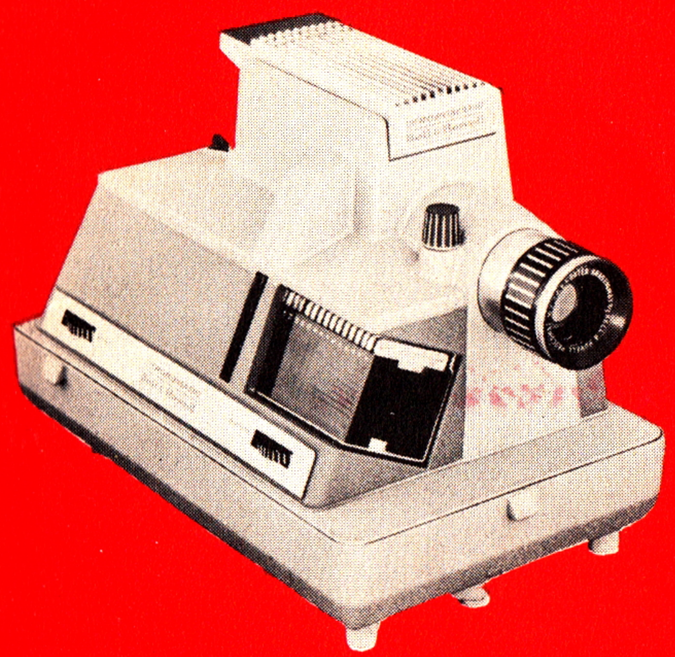
LAMP REPLACEMENT

Turn the control switch to the motor position and let the projector operate until the lamp is cool enough to handle comfortably. Remove the Lamp House Cover by loosening the Lock Screw. Press the lamp down firmly, turning one-quarter turn counterclockwise and lift out.
To insert a new lamp, align the flanges on the lamp with the slots in the lamp socket. Press the lamp down and turn it one-quarter turn clockwise. Your projector accepts a 500 watt, 115 volt (Type PH/500 T10P) projection lamp.

CLEAN APERTURE AND FILM CHANNEL

Swing the lens gate out, before each showing. With a small soft brush or clean piece of cloth, wipe the aperture and film channel.

Bell & Howell *finer products through imagination*

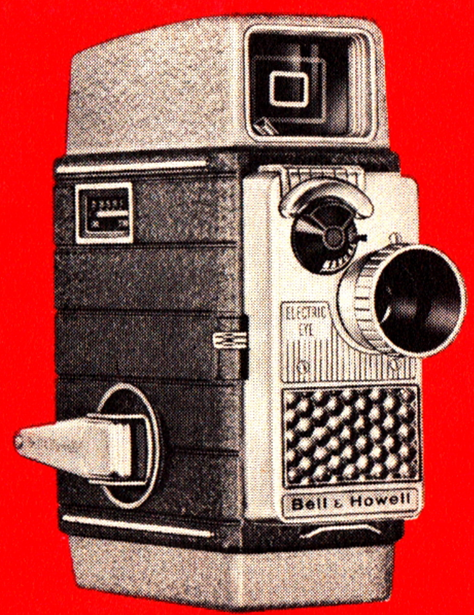


ROBOMATIC

World's most advanced slide projector. Changes slides for you — automatically! Manual operation when you want it — forward or reverse. 500-watt blower-cooled illumination — modern functional design.

290 ELECTRIC EYE CAMERA

Revolutionary automatic 8mm movie camera. Sets lens for you as you shoot. Just sight through the giant picture-window viewfinder — press a button for perfect movies every time.



775 TAPE RECORDER

Enjoy the finest in sound fidelity, with this exciting portable. Two large speakers, simple push-button controls. Up to 4 hours recording/playback time. Two speed dual track, high speed forward and reverse. Handsome, durable carrying case.

Bell & Howell
GUARANTEE

This new Bell & Howell product is guaranteed to be free from imperfections in both material and workmanship for one year from date of original purchase. Should any part of this equipment be defective, it will be replaced or repaired free of charge (except for transportation), provided the equipment has been operated according to the instructions accompanying it.

No liability is assumed for film which is damaged or is unsatisfactory for any reason and no liability is assumed for interruptions in operation of equipment. This guarantee is void:

a) If equipment has not been registered with Bell & Howell (please use card supplied);

b) If equipment has been damaged by accident or mishandling;

c) If equipment has been serviced by other than Bell & Howell approved service stations;*

d) If adaptations or accessories other than Bell & Howell have been made or attached.

The foregoing is in lieu of all other warranties express or implied and Bell & Howell Company neither assumes nor authorizes any person to assume for it any other obligation or liability in connection with this product.

**Location of nearest approved service station will be furnished on request.*

15821

Printed in U.S.A. (7-57)

GUARANTEE REGISTRATION CARD

The BELL & HOWELL Guarantee is VOID unless you register the serial number of your Monterey 8mm Projector with B&H. Please type or print in ink.

Owner_____
First Name Initial Last Name

Address_____

City_____ Zone___ State_____

Purchased from_____
(dealer's name) (dealer's city)

Serial No._____

Model_____

Date purchased_____

This equipment is to be used by_____
(name of organization, or write "self")

for ☐ instruction; ☐ entertainment; ☐ selling; ☐ other (specify)_____

What particular reasons did you have for buying this B&H equipment?

_____

_____

_____

Other photographic equipment owned:

☐ _____ still camera
(make)

☐ _____ movie camera
(make and size)

☐ _____ movie projector
(make and size)

FILL IN AND MAIL
THIS CARD TODAY!

PLACE
2¢
STAMP
HERE

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